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Sedimentary environments, sedimentary processes and river history in the lower Medway Estuary, Kent.

Kirby, Robert

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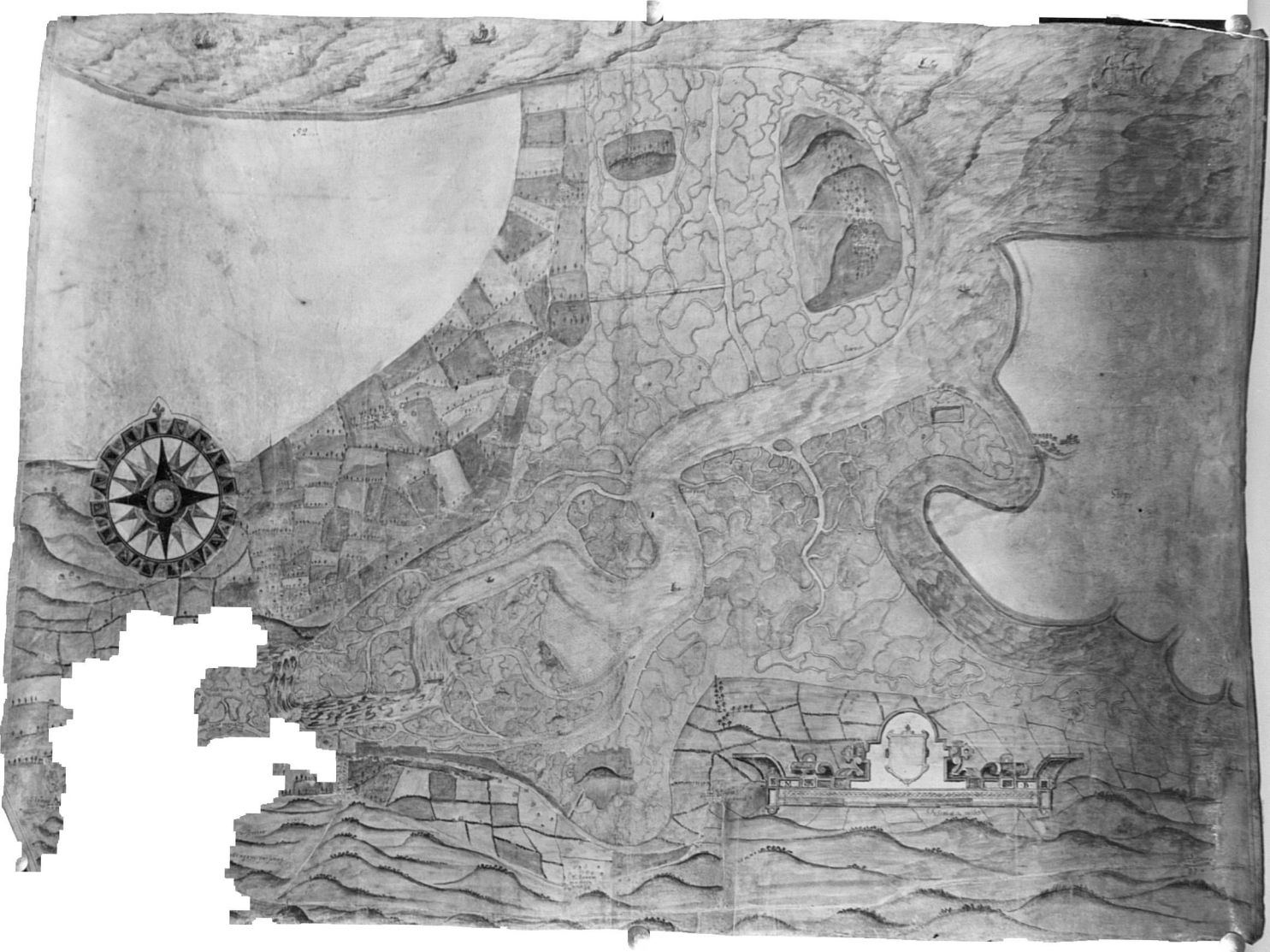
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MAP 1:- A coloured chart of the Medway from Rochester
to the Nore. Elizabethan (probably between
1560 and 1620) circa 1590. BM (Cott Aug 1.i.52).

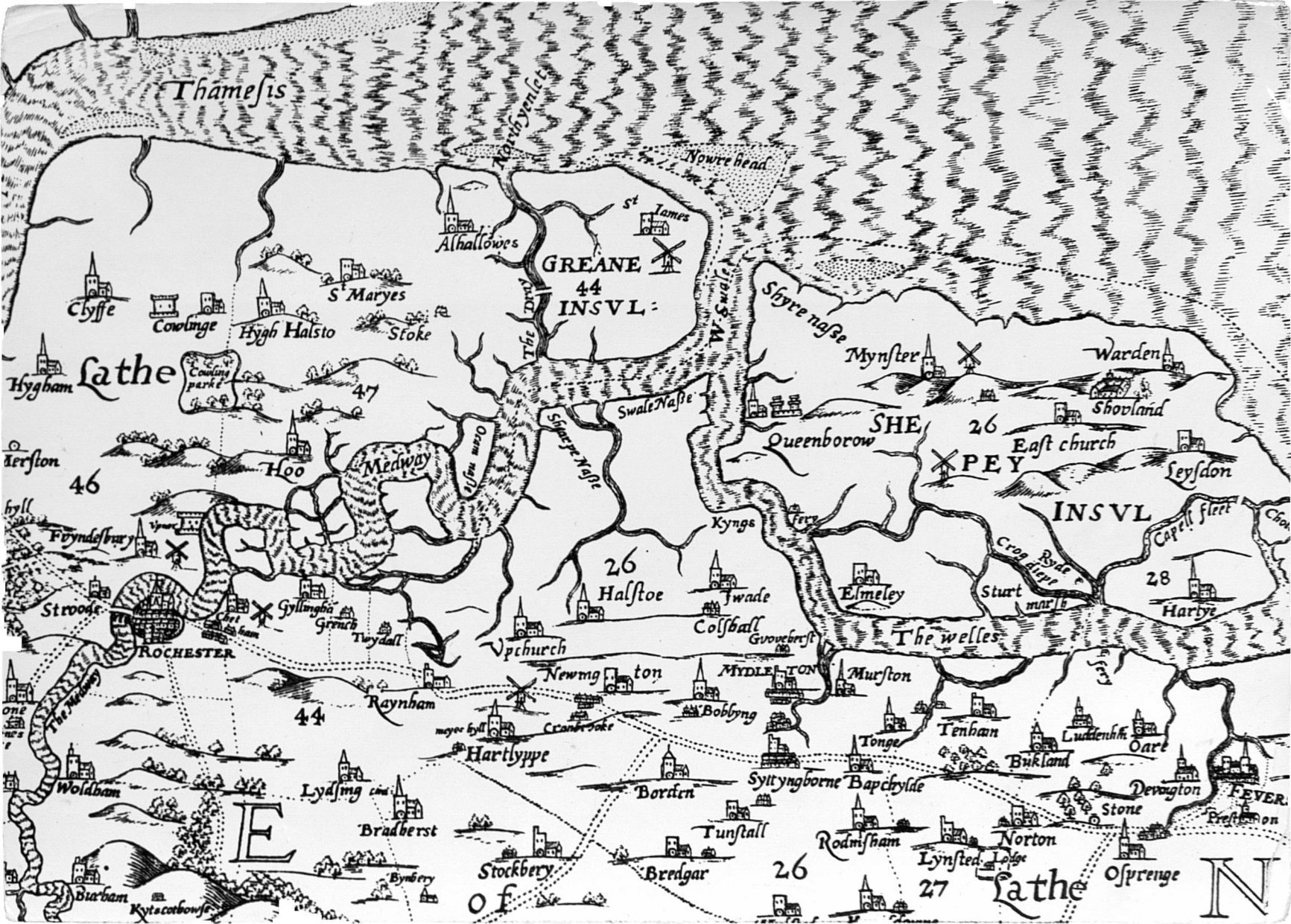


MAP 2:-

A New Description of Kent surveyed 1596

(published 1659), also called Symondsons map
of Kent.

RGS and others.



MAP 3:- A coloured view of the Medway from Rochester
Bridge to Sheerness taken from the Steeple of
Frindsbury Church and showing Navy Anchorages
at Gillingham. September 1698.

BM (MS 43 Fol 6)

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Map of the River Medway

1. The River Medway	2. The River Stour
3. The River Great Ouse	4. The River Little Ouse
5. The River Great Ouse	6. The River Little Ouse
7. The River Great Ouse	8. The River Little Ouse
9. The River Great Ouse	10. The River Little Ouse
11. The River Great Ouse	12. The River Little Ouse
13. The River Great Ouse	14. The River Little Ouse
15. The River Great Ouse	16. The River Little Ouse
17. The River Great Ouse	18. The River Little Ouse
19. The River Great Ouse	20. The River Little Ouse

A VIEW
 of the River MEDWAY from ROCHESTER, taken
 by SHEERNESS looking from the Chapel of HINSEBY
 Church opposite of DOCK at CHATHAM, showing here
 the Ships of the ROYAL NAVY anchored
 & the great Village of Gillingham
 TOGETHER WITH
 the various Villages & Hamlets of the Tithes thereof
 DELINEATED IN
 1744



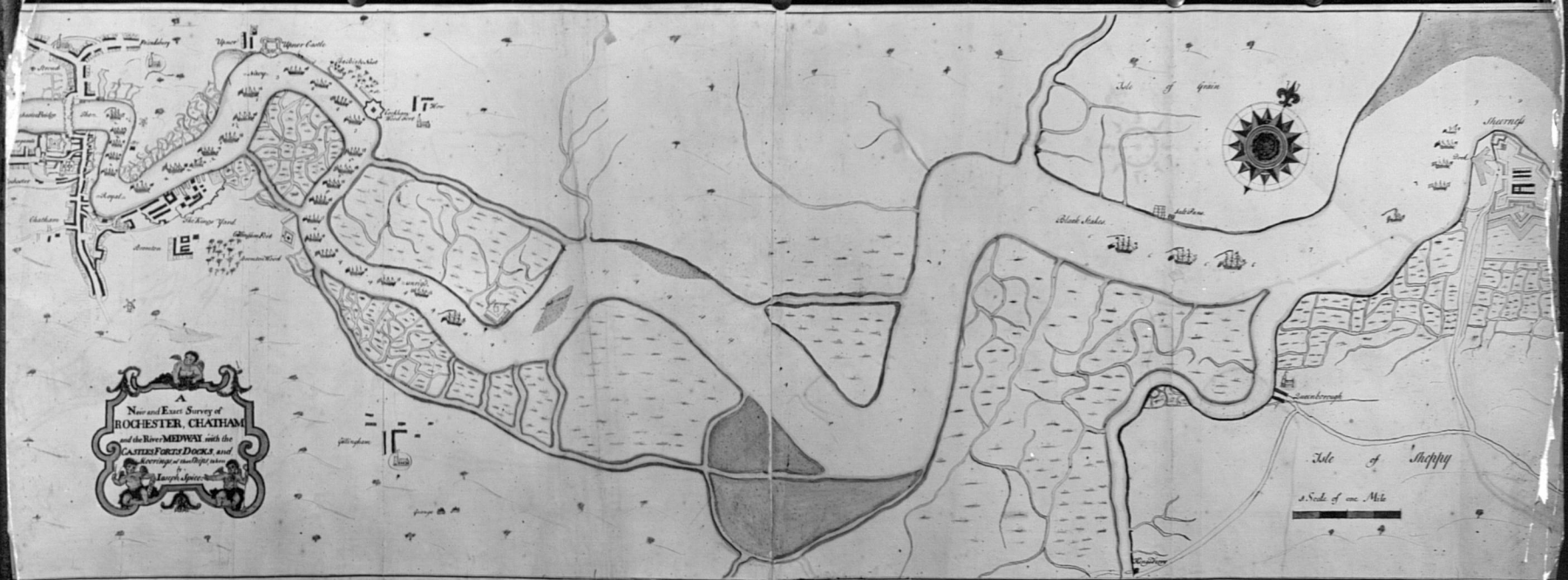
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15. The River Great Ouse	16. The River Little Ouse
17. The River Great Ouse	18. The River Little Ouse
19. The River Great Ouse	20. The River Little Ouse

MAP 4:- A New and Exact Survey of Rochester, Chatham
and the river Medway. circa 1710.

BM (Add 5222 art 5)

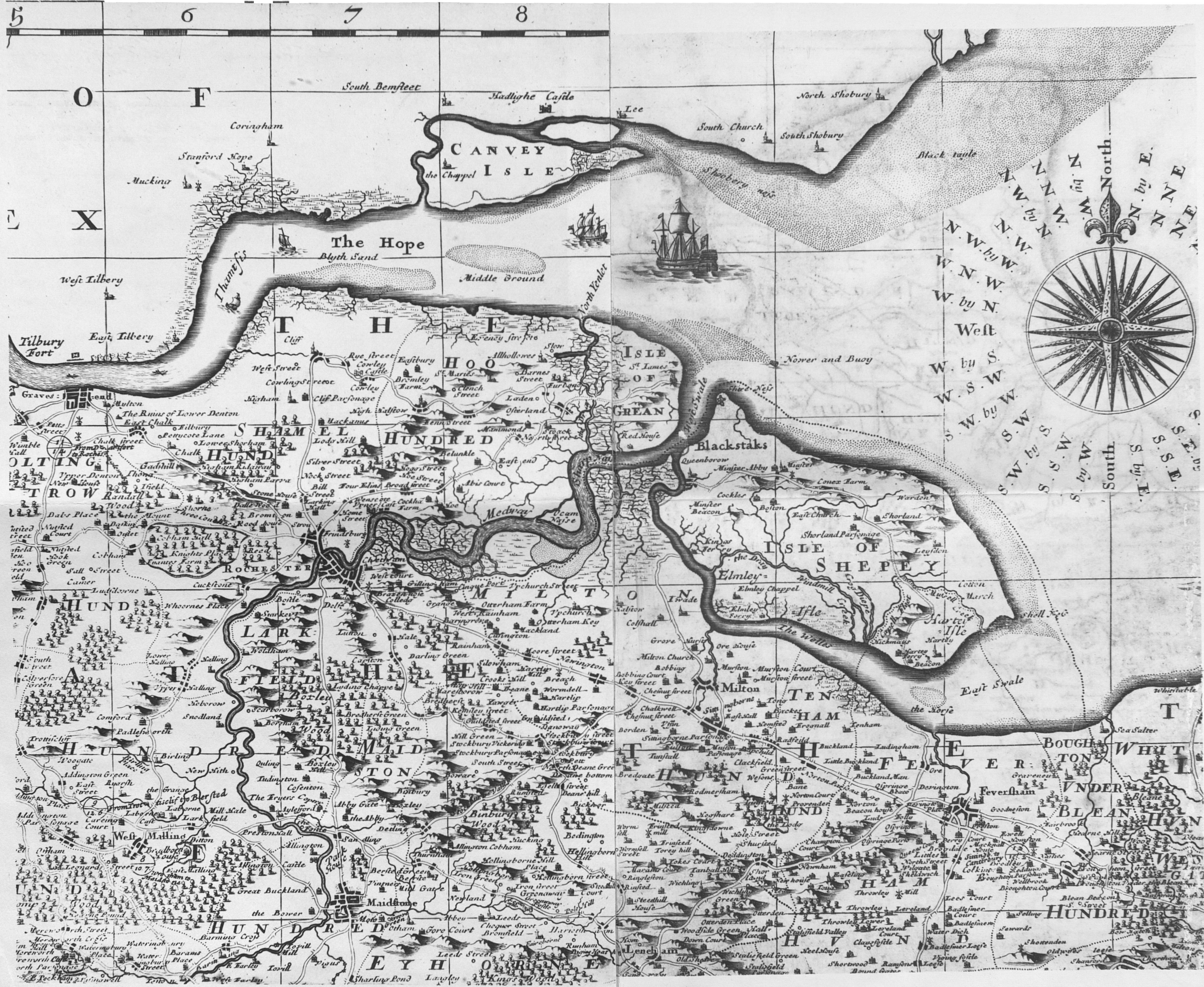
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MAP 5:- Kent actually surveyed and delineated.

John Seller. Hydrographer to the King 1710.

RGS



MAP 6:- A Plan of the River Medway from Rochester
to Sharpness Point together with the
marshes and up Lands adjacent, surveyed 1724

PRO (MR 503)

of 60 Feet or three quarters of a Mile

Three quarters of an English Mile

A PLAN of
THE RIVER MEDWAY
from ROCHESTER Bridge to Sharpness Point
together with the Marshes and up Lands adjacent
Surveyed in the Year 1724



MAP 7:- Plan of the River Medway with the
Fortifications Adjoining, based on survey
of 1688. (published 1725) PRO (MP HH 60 ii)



PLAN
of the
RIVER MEDWAY
with the FORTIFICATIONS Adjacent

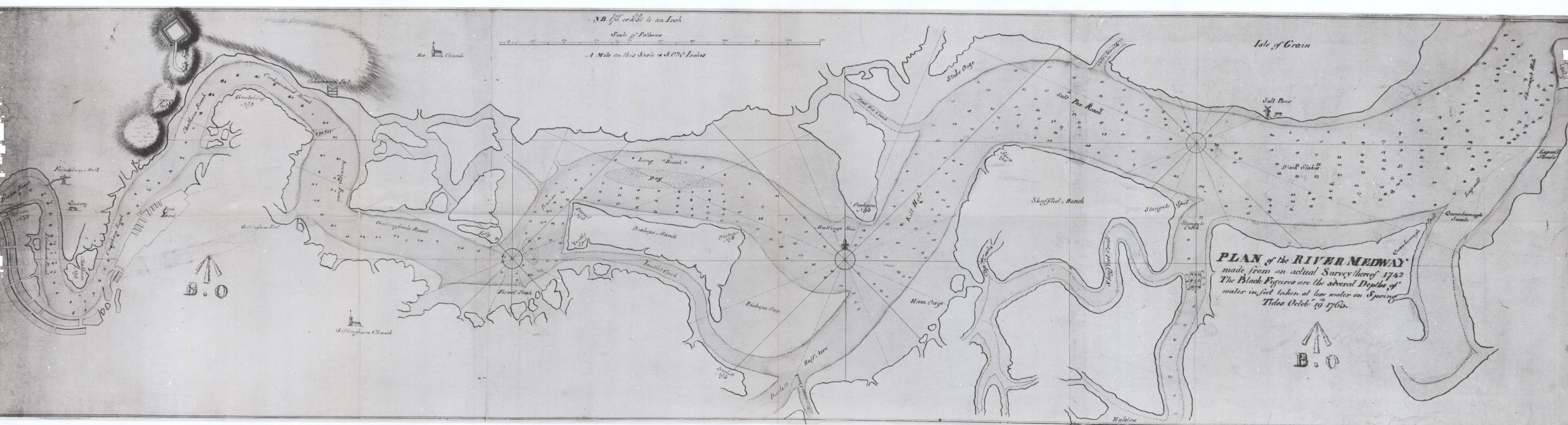
Note. That the Depth of Water is set down in Feet and Inches taken at Low Water at Spring Tides.

A Scale of 1000 Yards being one Mile.

B. N. L.

MAP 8:- Plan of the River Medway made from an actual
survey thereof. 1742. (with soundings taken
1763) PRO (MR 959)





MAP 9:- The country around London.

Andrews and Drury 1777

RGS .

or Camesis Estuarium



MAP 10:- An accurate survey of the river Medway
from Rochester Bridge to Sheerness by
S. Hemman. 1803 BM (1240(82))

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MAP 11:- Ordnance Survey 1" to 1 mile Map of Medway
1st Edition surveyed 1795-1805 and published
1805-1819. RGS and others.

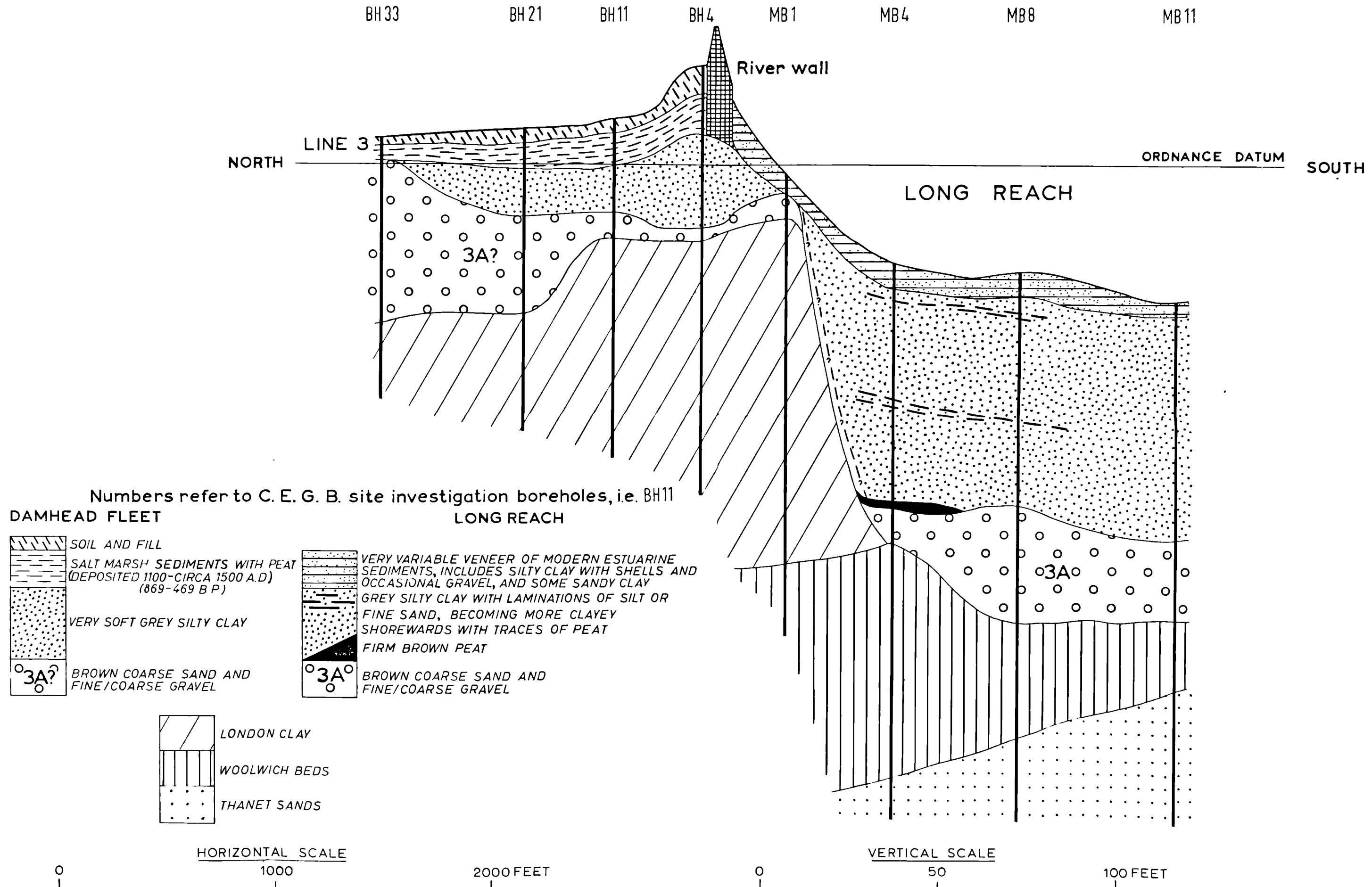




MAP 12:- Ordnance Survey 6" to 1 mile Map of Medway
1st Edition surveyed 1864-5 and published
1869. RGS and others.

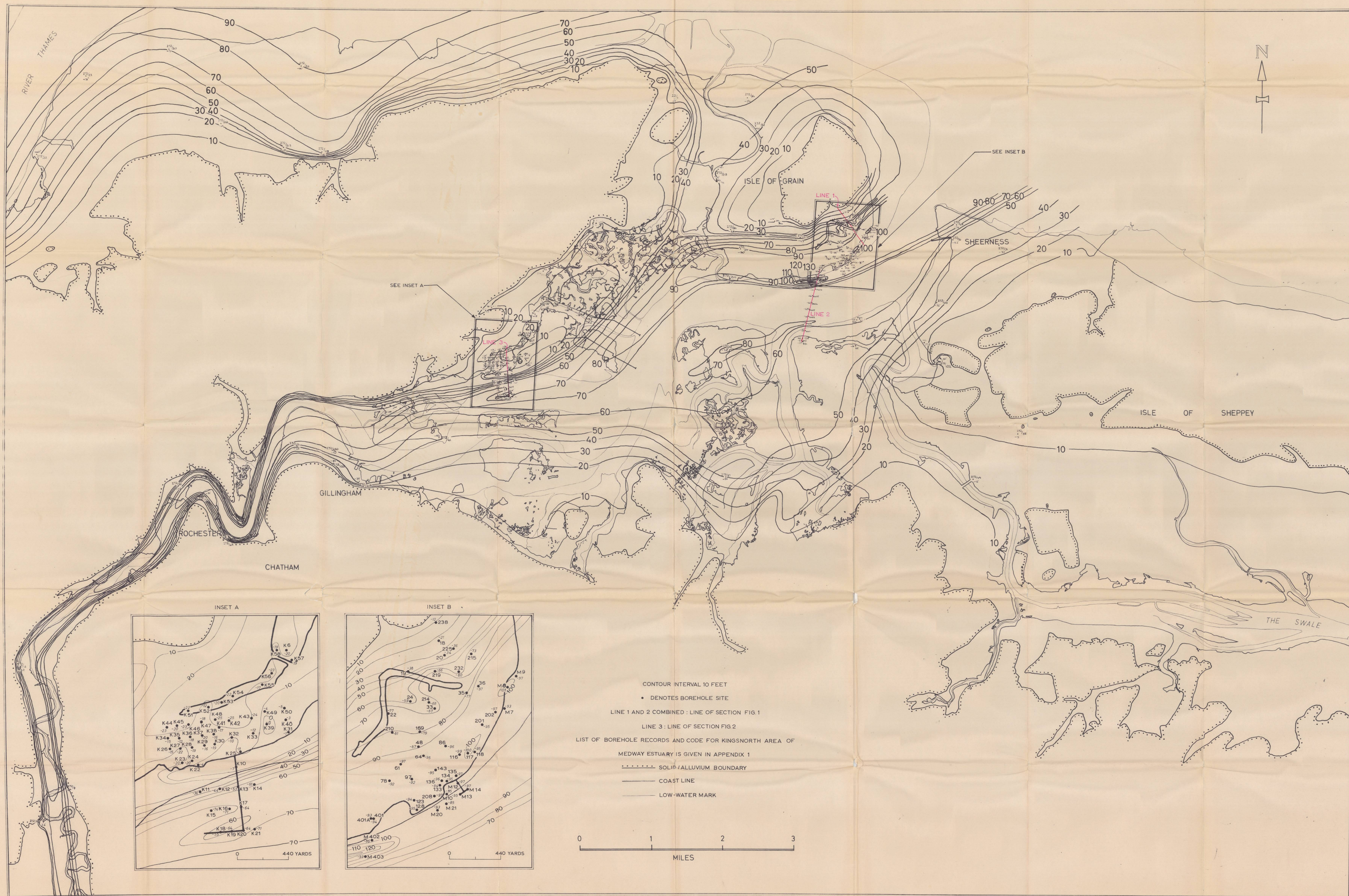


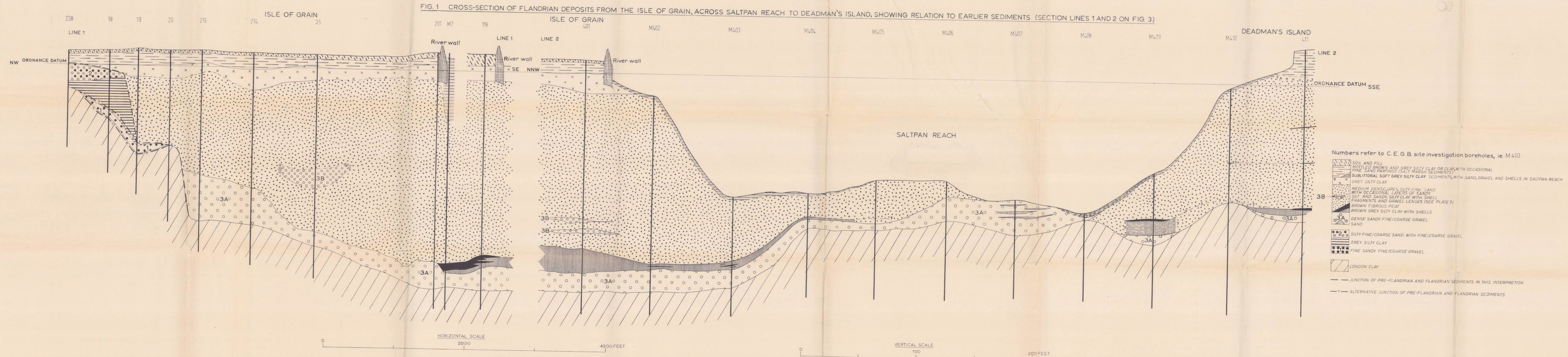
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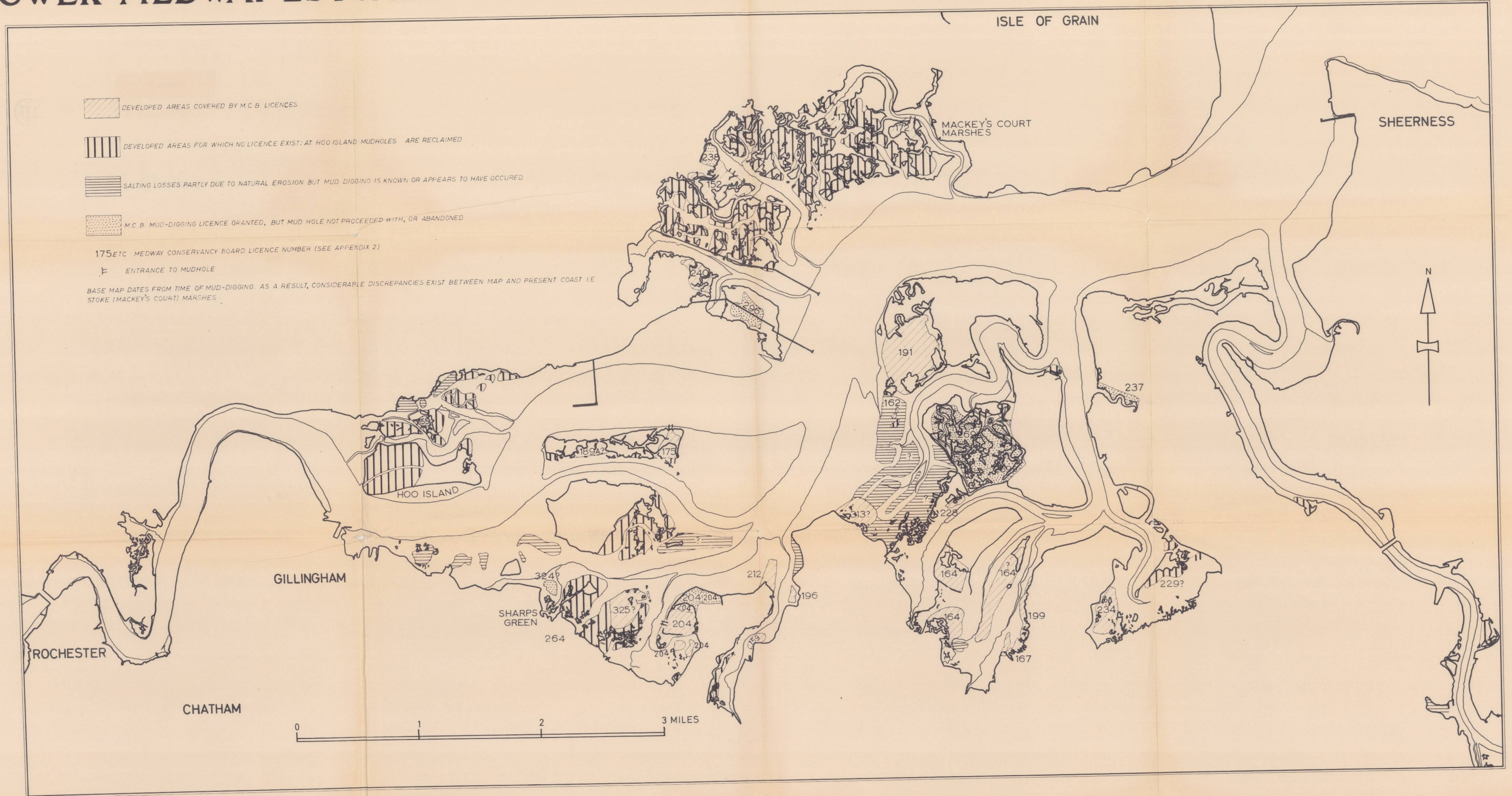
LOWER MEDWAY ESTUARY

FIG. 3 CONTOURS ON THE SUB-DRIFT SURFACE IN FEET BELOW ORDNANCE DATUM (NEWLYN)





LOWER MEDWAY ESTUARY FIG.5 SALTING AREAS REMOVED DURING THE MUD-DIGGING PERIOD circa 1860-1960



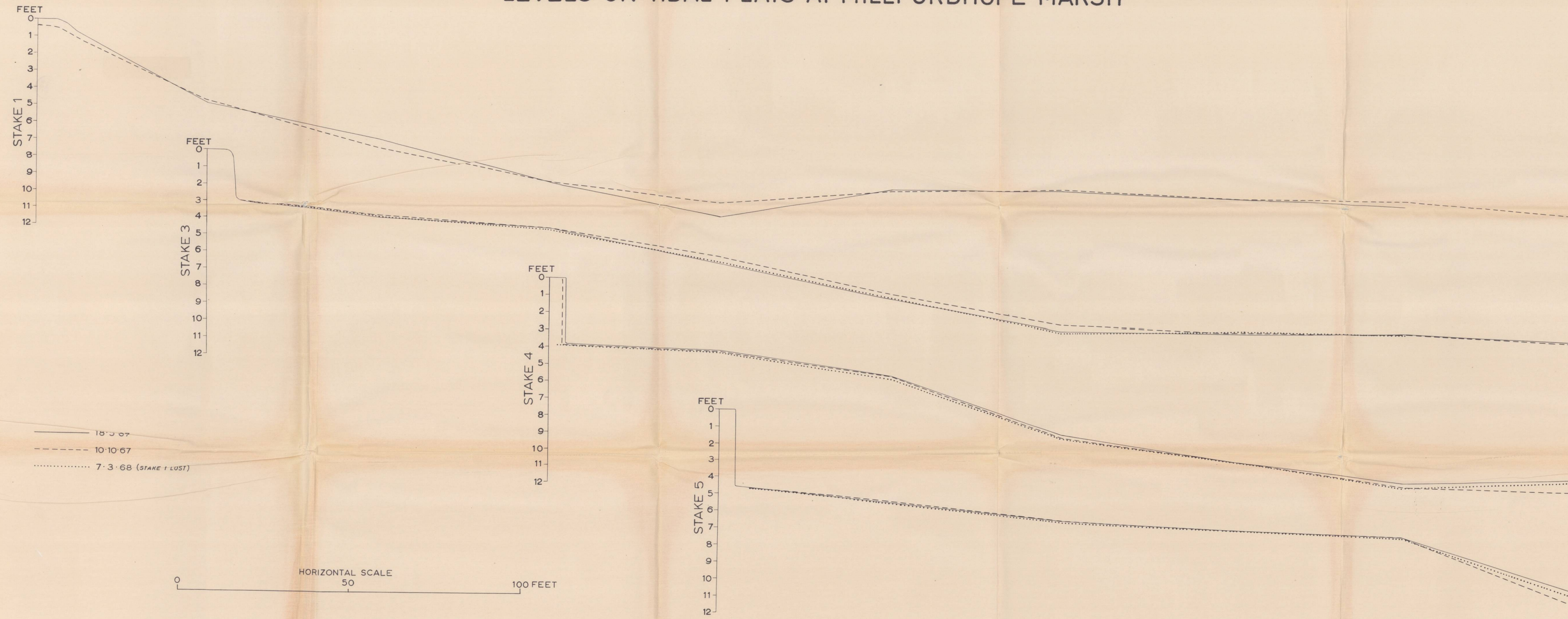
LOWER MEDWAY ESTUARY

FIG. 6 LOCATION OF SURVEY SITES, SEDIMENT TRANSPORT RECORDING STATIONS AND BED SAMPLES FOR CHEMICAL ANALYSIS

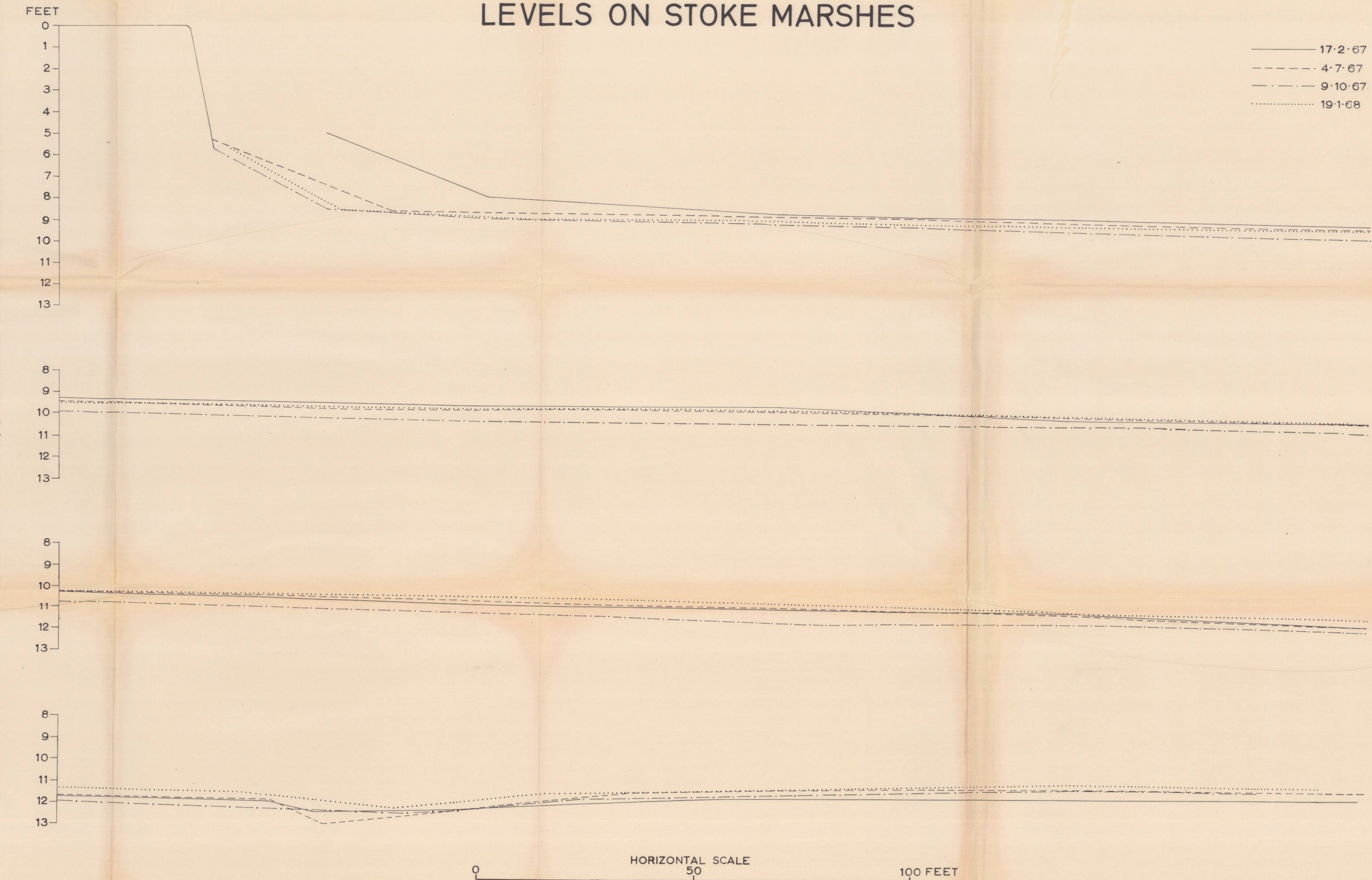


Fig. 7

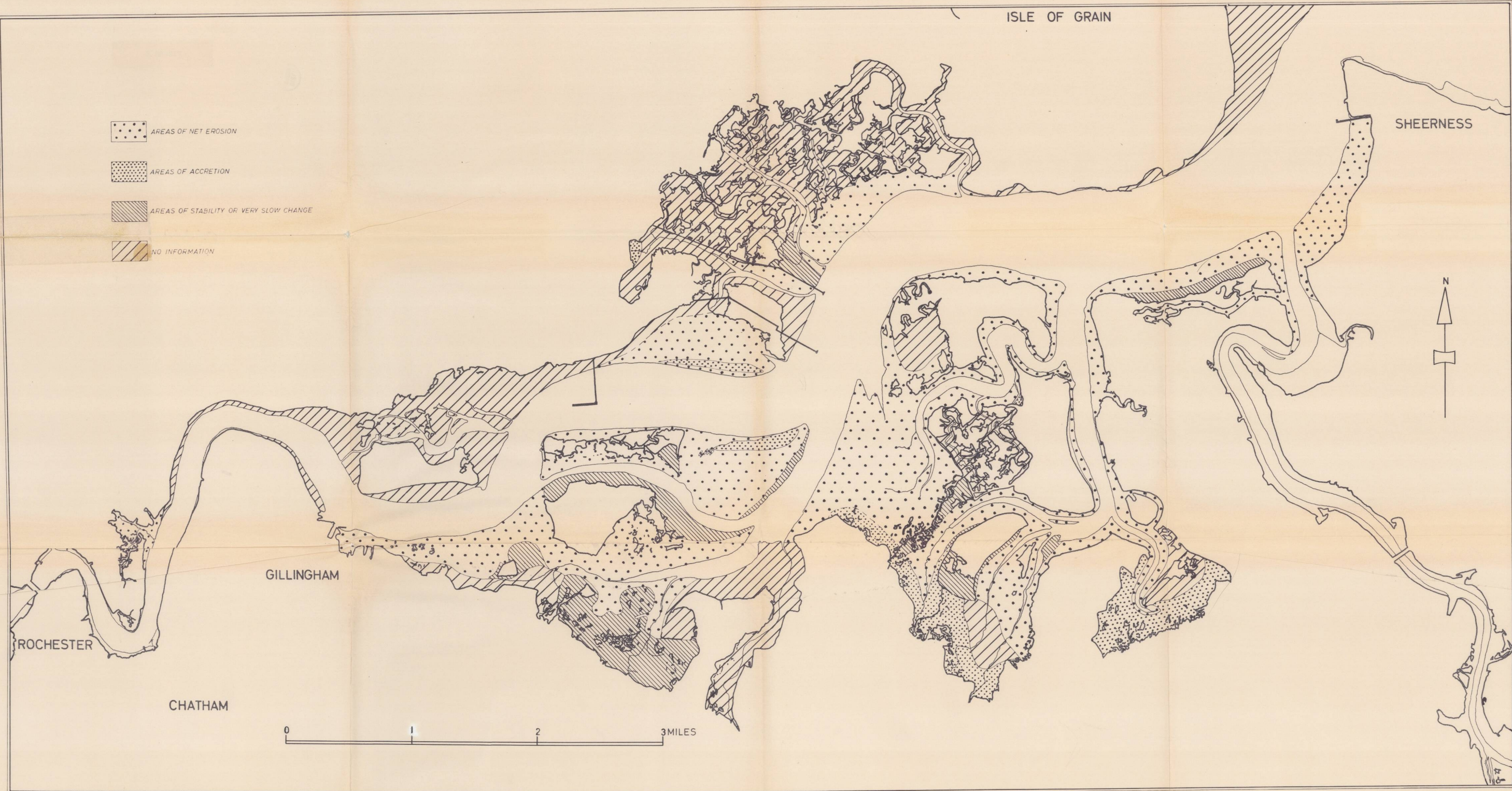
LEVELS ON TIDAL FLATS AT MILLFORDHOPE MARSH



LEVELS ON STOKE MARSHES



LOWER MEDWAY ESTUARY FIG.8 AREAS OF DOMINANT EROSION AND ACCRETION ON THE TIDAL FLATS



LOWER MEDWAY ESTUARY FIG.9 DISTRIBUTION OF SEDIMENTARY ENVIRONMENTS IN THE INTERTIDAL ZONE



LOWER MEDWAY ESTUARY

Fig. 17 DISTRIBUTION AND TRANSPORT DIRECTIONS OF SHELL BANKS.





LOWER MEDWAY ESTUARY

Fig 19

PERCENTAGE OF MATERIAL LESS THAN 3 ϕ , 125 μ , PLOTTED FOR BED SAMPLES FROM THE MEDWAY AND APPROACHES.



LOWER MEDWAY ESTUARY

Fig. 20 GRAPHIC MEAN GRAIN SIZE OF BED SAMPLES FROM THE MEDWAY AND APPROACHES.



LOWER MEDWAY ESTUARY

Fig. 22

LOCALITY MAP:

